

# PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION

455 12TH STREET, S.W.

WASHINGTON, D.C. 20554

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News media information 202/418-0500 Fax-On-Demand 202/418-2830

Released: March 8, 2012

## Report No. 441                      EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 11/1/11 to 2/1/12:

- **WG2XCC    GARMIN INTERNATIONAL    0632-EX-PL-2011**  
New experimental to operate in various frequency bands between 505 kHz and 18000 MHz for HIRF testing.  
Fixed: Garmin flight test facility at the New Century airport, New Century (Garmin), KS
- **WF2XWS    L-3 COMMUNICATIONS DATRON ADVANCED TECHNOLOGIES DIVISION  
0334-EX-PL-2011**  
New experimental to operate in 29.10 - 29.30 MHz to retrofit and new installation of Iridium feeder link terminals.  
Fixed: Simi Valley (Ventura), CA
- **WF2XON    THE BOEING COMPANY    0446-EX-PL-2010**  
New experimental to operate in 30 – 73 MHz, 75.40 – 108 MHz, 450 – 608 MHz, 614 – 960 MHz, 1427 - 1525.42 MHz, 1625 - 1660.50 MHz, 1668.40 – 2500 MHz, 2390 – 2550 MHz, 4400 – 4900 MHz, 5250 – 5900 MHz, 14400 – 14830 MHz and 15150 – 15350 MHz for testing communication systems on Unmanned Vehicle.  
Fixed & Mobile: ST Louis, ST Charles and Smartt Field, MO; Vandalia, IL
- **WF2XVA    THE BOEING COMPANY    0227-EX-PL-2011**  
New experimental to operate in 30 - 74.60 MHz, High Intensity Radiated Field (HIRF) Testing.  
Fixed: Glasgow (Valley), MT
- **WF2XZZ    UNIVERSITY OF UTAH, DEPT. OF PHYSICS AND ASTRONOMY  
0564-EX-PL-2011**  
New experimental to operate on 54.1 MHz to study high-energy cosmic rays.  
Fixed: Delta (Millard), UT
- **WF2XZY    CENTER FOR REMOTE SENSING OF ICE SHEETS    0540-EX-PL-2011**  
New experimental to operate on 72 MHz for research project using Unmanned Air Vehicles for sensing of ice sheets  
Mobile: Lawrence (Douglas), KS; Ft Riley (Geary), KS; Dugway (Tooele), UT
- **WG2XBW    NATIONAL PUBLIC RADIO, INC.    0634-EX-PL-2011**  
New experimental to operate 87.7 MHz for testing FM modulators  
Mobile: New Haven, CT
- **WG2XCI    CURTISS-WRIGHT CONTROLS, INC.    0032-EX-PL-2012**  
New experimental to operate in 140 – 3000 MHz to conduct demonstrations of ground penetrating radar.  
Mobile: Continental United States, AK and HI; Selected locations in the US as determined by the prospective customer.
- **WG2XAB    CITY OF MURFREESBORO WATER & SEWER DEPT.    0589-EX-PL-2011**

New experimental to operate in 174 – 216 MHz for data collection of remote water and sewer infrastructure.  
Fixed: Murfreesboro (Rutherford), TN

- **WG2XBQ THE BOEING COMPANY 0249-EX-PL-2011**  
New experimental to operate on frequencies between 231.30 MHz and 374.70 MHz to support Thales Radio Integration with the UAE C-17 aircraft production and testing.  
Fixed & Mobile: Long Beach (Los Angeles), CA
- **WF2XYL AVIONICS ENGINEERING CENTER, OHIO UNIVERSITY, MCFARLAND AVIONICS BLDG. 0426-EX-PL-2011**  
New experimental to operate on 240 MHz and 280 MHz for testing air navigation equipment.  
Fixed: Albany (Athens), OH
- **WF2XVQ BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0298-EX-PL-2011**  
New experimental to operate on 287 MHz and 425 MHz for testing robust systems.  
Mobile: Temporary Fixed Locations - BAE Systems Campus - Wayne, NJ
- **WF2XWZ THE BOEING COMPANY 0270-EX-PL-2011**  
New experimental to operate in 340 - 399.90 MHz for testing FreeWave MM2 series of radios.  
Fixed & Mobile: San Diego (San Diego), CA
- **WF2XYT LOCKHEED MARTIN CORPORATION 0445-EX-PL-2011**  
New experimental to operate on select frequencies between 392.67 MHz and 2275.00 MHz for testing antennas for commercial sale.  
Mobile: Owego, NY
- **WG2XAY LOCKHEED MARTIN CORPORATION 0625-EX-PL-2011**  
New experimental to operate on 400 MHz for LMS6 radiosonde factory acceptance testing.  
Mobile: Marion, MA
- **WG2XAZ LUTRON ELECTRONICS CO., INC. 0628-EX-PL-2011**  
New experimental to operate on 400 MHz for low power RF transmitter testing  
Mobile: Coopersburg, PA
- **WF2XZA THE BOEING COMPANY 0427-EX-PL-2011**  
New experimental to operate in 400.01 - 400.05 MHz for testing communication links.  
Fixed: Huntington Beach (Orange), CA
- **WF2XVH LOCKHEED MARTIN CORPORATION 0296-EX-PL-2011**  
New experimental to operate on 401.20, 403.50, 1360, 1378.00 and 1378.00 MHz to evaluate various new AMF JTRS small airborne radio. EXD 130930, for freq. 1385 and 1378 MHz"  
Mobile: Gaithersburg, MD
- **WF2XZJ SENSUS SPECTRUM LLC 0531-EX-PL-2011**  
New experimental to operate in 410 – 430 MHz for testing endpoint products for export markets  
Fixed: Frederick (Frederick), MD
- **WF2XUQ THE BOEING COMPANY 0265-EX-PL-2011**  
New experimental to operate in frequency bands between 420 MHz and 2690 MHz for testing GSM pico cell operation system.  
Fixed & Mobile: Victorville, CA; San Antonio, TX; Charleston, SC; West Coastal Water, US; Gulf Coastal Water, US; East Coastal Water, US
- **WF2XYD L3 NOVA ENGINEERING 0450-EX-PL-2011**  
New experimental to operate in 420 – 440 MHz To test and evaluate seismic sensors.  
Mobile: Mason (Warren), OH
- **WF2XZP L-3 COMMUNICATIONS / RANDTRON ANTENNA SYSTEMS 0555-EX-PL-2011**

New experimental to operate in 430 – 450 MHz to test various antennas.  
Fixed: Half moon Bay (San Mateo), CA

- **WG2XBD DRS TACTICAL SYSTEMS, INC. 0622-EX-PL-2011**  
New experimental to operate in 450 – 470 MHz for equipment testing  
Mobile: Melbourne, Florida
- **WG2XBM CBS COMMUNICATIONS SERVICES INC. 0003-EX-PL-2012**  
New experimental to operate 450 MHz for testing the application of mobile radios.  
Fixed & Mobile: Golden (Jefferson), CO; Denver (Denver), CO
- **WG2XBS SEPURA PLC 0010-EX-PL-2012**  
New experimental to operate on 453 – 463 MHz Equipment testing  
Mobile: Las Vegas Convention Centre, Las Vegas, NV
- **WG2XAC LOCKHEED MARTIN CORPORATION 0592-EX-PL-2011**  
New experimental to operate in 758 – 763 MHz and 788 – 793 MHz to demonstration new cellular technology and its integrated components.  
Fixed & Mobile: Kaneohe and Keolu Hills, HI
- **WG2XBE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT 0608-EX-PL-2011**  
New experimental to operate wind profiler radar on 915 MHz for meteorological studies.  
Fixed: Irvine (Orange), CA
- **WG2XCB SPRINT COMMUNICATIONS COMPANY, L.P. 0645-EX-PL-2011**  
New experimental to operate in 2305 – 2310 MHz and 2350 – 2355 MHz for equipment testing  
Fixed: Overland Park (Johnson), KS
- **WG2XBK RAYTHEON NETWORK CENTRIC SYSTEMS 0014-EX-PL-2012**  
New experimental to operate in 4900 – 4990 MHz for developing and testing mobile surveillance systems  
Mobile: McKinney (Collin), TX
- **WG2XAI THE BOEING COMPANY 0571-EX-PL-2011**  
New experimental to operate in 5091 – 5150 MHz for testing telemetry transmitters.  
Mobile: Palmdale, CA; Berkeley, MO
- **WG2XAH LAS VEGAS METROPOLITAN POLICE DEPARTMENT 0623-EX-PL-2011**  
New experimental to operate in 763 – 768 MHz and 793 – 798 MHz for public safety testing.  
Fixed & Mobile: Las Vegas (Clark), NV
- **WF2XZS MIAMI-DADE COUNTY 0520-EX-PL-2011**  
New experimental to operate in 763 – 798 MHz for LTE testing.  
Fixed & Mobile: Miami (Dade), FL
- **WF2XVO LOCKHEED MARTIN CORPORATION 0278-EX-PL-2011**  
New experimental to operate in 902 – 928 MHz and 1350 – 1390 MHz for testing of an unmanned ground vehicle.  
Mobile: Grand Prairie (Dallas), TX; Littleton (Arapahoe), CO
- **WG2XAA LOCKHEED MARTIN CORPORATION 0560-EX-PL-2011**  
New experimental to operate in 902 – 928 MHz for testing of ground radio systems for training purposes.  
Mobile: San Diego, CA
- **WF2XWI LOCKHEED MARTIN CORPORATION 0348-EX-PL-2011**  
New experimental to operate on 1030 MHz to test AN/UPX-37 transmitters.  
Fixed & Mobile: Syracuse (Onondaga), NY
- **WF2XVW DRS ICAS, LLC 0293-EX-PL-2011**  
New experimental to operate on 1030 MHz and 1090 MHz for testing avionics systems  
Mobile: DRS Campus, Cheektowaga (Erie), New York: (DRS Campus)

- **WF2XYR ORBITAL SCIENCES CORPORATION 0499-EX-PL-2011**  
New experimental to operate on 1200 MHz and 1500 MHz to test GPS reradiators.  
Fixed: Wallops Island (Accomack), VA
- **WF2XYP THE BOEING COMPANY 0505-EX-PL-2011**  
New experimental to operate on 1227.60 MHz and 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems  
Fixed: Seattle (King), WA
- **WF2XYJ LOCKHEED MARTIN CORPORATION 0468-EX-PL-2011**  
New experimental to operate on 1260 and 1280 MHz for testing of PSTAR-ER antenna receiver.  
Mobile: South Syracuse (Onondaga), NY
- **WF2XTY NORTHEAST ILLINOIS REGIONAL COMMUTER RAILROAD CORPORATION 0201-EX-PL-2011**  
New experimental to operate on 1575 MHz for testing GPS equipment.  
Fixed: Chicago (Cook), IL
- **WF2XUN RANGE NETWORKS, INC. 0240-EX-PL-2011**  
New experimental to operate in 1810 – 1840 MHz for GSM Network Testing  
Fixed & Mobile: Black Rock Desert, Gerlach, NV Black Rock Desert
- **WG2XBZ WESTERN DATACOM 0047-EX-PL-2012**  
New experimental to operate in 1970 – 1975 MHz for telecommunications testing  
Mobile: Fort Dix, NJ
- **WF2XZL ORBITAL SCIENCES CORPORATION 0524-EX-PL-2011**  
New experimental to operate 2000 MHz and 5000 MHz to do testing for NASA under contract.  
Mobile: Taurus II Launch Vehicle, ground testing and space to earth launch
- **WG2XAS AIRSCAN, INC. 0491-EX-PL-2011**  
New experimental to operate on 2458.5 MHz and 2475.5 MHz to providing equipment training.  
Mobile: Designated flight area over swamp land in Titusville, FL
- **WF2XXA LOCKHEED MARTIN CORPORATION 0398-EX-PL-2011**  
New experimental to operate on various frequencies between 2730.15873 MHz and 2897.637795 MHz to perform a calibrated measurement of the RCS.  
Fixed: Bithlo (Orange), FL
- **WF2XZB THE BOEING COMPANY 0484-EX-PL-2011**  
New experimental to operate in 2780 – 2820 MHz to conduct satellite component and panel tests.  
Fixed: El Segundo (Los Angeles), CA
- **WG2XAO RAYTHEON NETWORK CENTRIC SYSTEMS 0619-EX-PL-2011**  
New experimental to operate in 3100 – 3500 MHz to develop and test the SR1500 short range CIP radar.  
Mobile: Newark (Essex), NJ; Flushing (Queens), NY; Jamaica (Queens), NY; Teterboro (Bergen), NJ
- **WF2XZQ BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0525-EX-PL-2011**  
New experimental to operate in 4400 - 4990 MHz and 14500 - 15350 MHz for testing antennas.  
Mobile: Temporary Fixed (Ground) Locations, Merrimack, NH
- **WF2XWT LOCKHEED MARTIN CORPORATION 0376-EX-PL-2011**  
New experimental to operate on various frequencies between 5003.921569 MHz and 5239.215686 MHz to perform a calibrated measurement of the Radar Cross-Section (RCS).  
Fixed & Mobile: Bithlo (Orange), FL
- **WF2XZC THE BOEING COMPANY 0502-EX-PL-2011**

New experimental to operate in 5725 - 5850 MHz for testing Wireless Radios via an Ethernet bridge.  
Mobile: Continental United States

- **WF2XYV THE BOEING COMPANY 0507-EX-PL-2011**  
New experimental to operate in 8750.55 - 8950.55 MHz to perform integrated functional testing (IFT) of the Advanced Radar Surveillance System (ARSS) radar.  
Mobile: Huntsville, AL
- **WF2XZH TELEPHONICS CORPORATION 0514-EX-PL-2011**  
New experimental to operate on 8850 MHz for test, development, and demonstration of ground surveillance radar.  
Mobile: Huntington, NY
- **WF2XVT RAYTHEON NETWORK CENTRIC SYSTEMS 0322-EX-PL-2011**  
New experimental to operate in 9300 – 10000 MHz for testing antennas with software adapted electronic beam scanning  
Fixed: Sudbury (Middlesex), MA
- **WF2XZI SALVATORE POLI 0521-EX-PL-2011**  
New experimental to operate on 9350 and 9400 MHz and in 9.20 - 9.50 GHz for testing on the RDR-1700B x-band maritime surveillance and imaging radar.  
Mobile: Farmingdale, NY
- **WF2XZT GENERAL DYNAMICS C4 SYSTEMS 0526-EX-PL-2011**  
New experimental to operate in 9400 - 9600 MHz to build and operate a prototype border protection system demonstration site to support US Government contract pursuits.  
Fixed: Scottsdale (Maricopa), AZ
- **WF2XZU GENERAL DYNAMICS C4 SYSTEMS 0534-EX-PL-2011**  
New experimental in 9400 - 9600 MHz to build and operate a prototype border protection system demonstration site to support US Government contract pursuits.  
Fixed: Mesa (Maricopa), AZ
- **WF2XYU THE BOEING COMPANY 0512-EX-PL-2011**  
New experimental to operate in 10250 – 10500 MHz for testing of ground master radar.  
Mobile: Huntsville, AL
- **WF2XZW RAYTHEON NETWORK CENTRIC SYSTEMS 0567-EX-PL-2011**  
New experimental to operate in 10250 - 10500 MHz to develop and test a mobile surveillance system based on commercial off-the-shelf radar (Elta Systems EL/M-2112 Ground Radar Sensor) and electro-optical/infrared cameras that can be used to monitor a border, perimeter or homeland security system.  
Mobile: McKinney, Texas
- **WF2XXC LOCKHEED MARTIN CORPORATION 0405-EX-PL-2011**  
New experimental to operate in 12000 – 15350 MHz and 15356.862745 - 15388.235294 MHz to perform calibrated measurement for the RADAR CROSS-SECTION (RCS).  
Fixed: Bithlo (Orange), FL
- **WF2XZO TACHYON NETWORKS INCORPORATED 0504-EX-PL-2011**  
New experimental to operate in 14000 – 14500 MHz for testing aircraft communications  
Mobile: Middletown, DE
- **WF2XZX RAYTHEON NETWORK CENTRIC SYSTEMS 0565-EX-PL-2011**  
New experimental to operate in 15700 -17200 MHz for developing and testing mobile surveillance systems.  
Mobile: Las Cruces, NM
- **WF2XYN LAUREL TECHNOLOGIES PARTNERSHIP 0444-EX-PL-2011**  
New experimental to operate in 16000 -17000 MHz to test target detection capabilities of the MSTAR radar.  
Mobile: Largo, FL

- **WF2XXY RAYTHEON COMPANY 0463-EX-PL-2011**  
New experimental to operate in 16200 - 17710 MHz for testing of the multi-function radio frequency system (MFRFS) compact high gain active phase array radar.  
Mobile: McKinney (Collin), TX
- **WF2XYQ THE BOEING COMPANY 0506-EX-PL-2011**  
New experimental to operate in 16210 - 16500 MHz for testing SRHawk Man Portable Ground Surveillance Radar.  
Mobile: Huntsville, AL
- **WG2XAL RAYTHEON NETWORK CENTRIC SYSTEMS 0594-EX-PL-2011**  
New experimental to operate in 16210 - 16500 MHz for testing the mobile surveillance system based on commercial-off-the-shelf radar (SR Hawk radar SRC-2362).  
Mobile: Las Cruces, NM
- **WG2XAK RAYTHEON NETWORK CENTRIC SYSTEMS 0635-EX-PL-2011**  
New experimental to operate in 16210 - 16500 MHz for testing on the SR Hawk radar.  
Mobile: McKinney, Texas
- **WG2XAN RAYTHEON NETWORK CENTRIC SYSTEMS 0602-EX-PL-2011**  
New experimental to operate in 16250 - 17200 MHz for testing the mobile surveillance system based on commercial-off-the-shelf radar  
Mobile: McKinney (Collin), TX